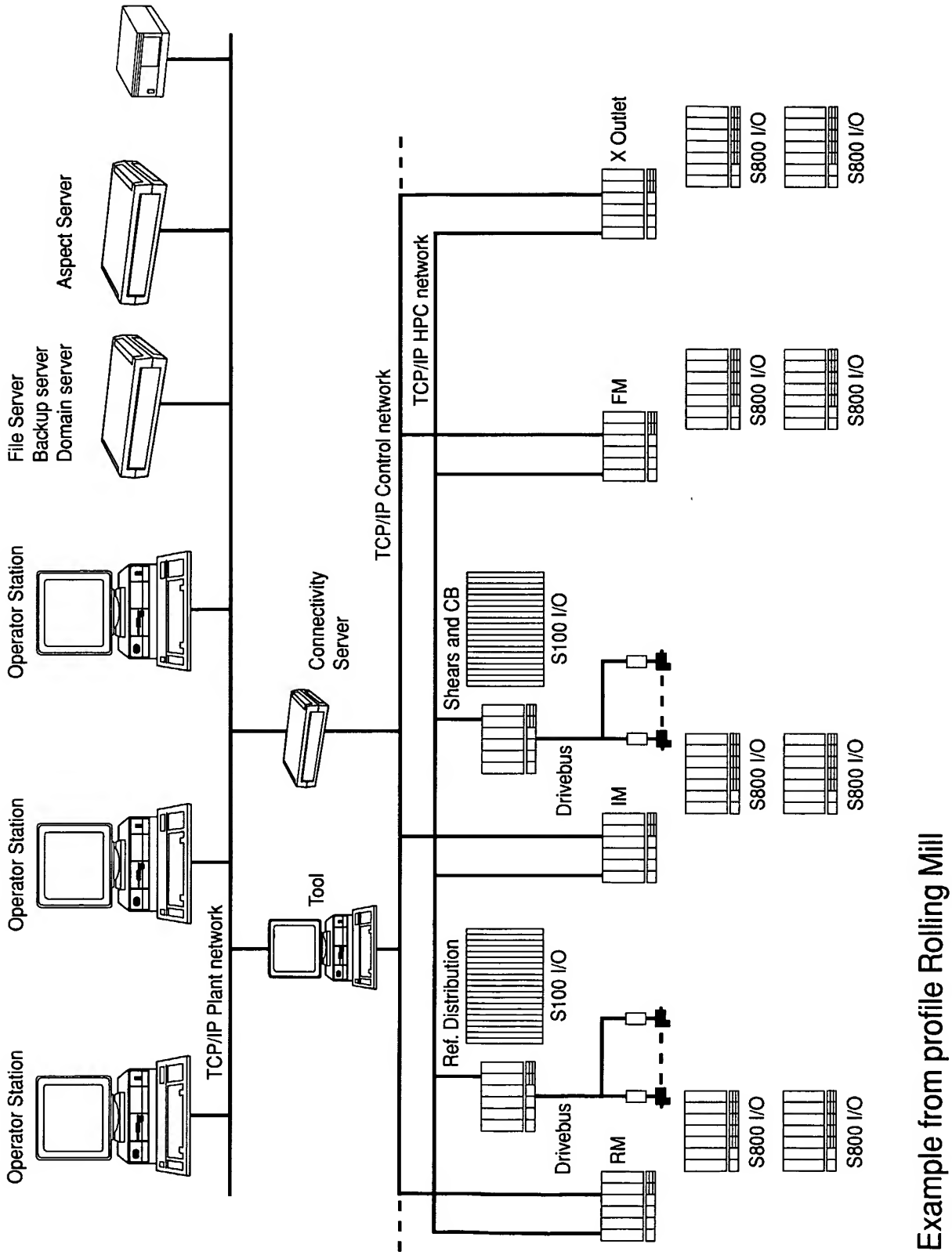

Example from profile Rolling Mill
TCP/IP Plant network
TCP/IP Control network
TCP/IP HPC network
Operator Station
Operator Station
Operator Station
File Server
Backup server
Domain server
Aspect Server
Connectivity Server
Tool
Shears and CB
S100 I/O
Drivebus
IM
FM
X Outlet
Ref. Distribution
S100 I/O
Drivebus
RM
S800 I/O
S800 I/O
S800 I/O
S800 I/O
S800 I/O
S800 I/O
S800 I/O
S800 I/O

Fig. 1

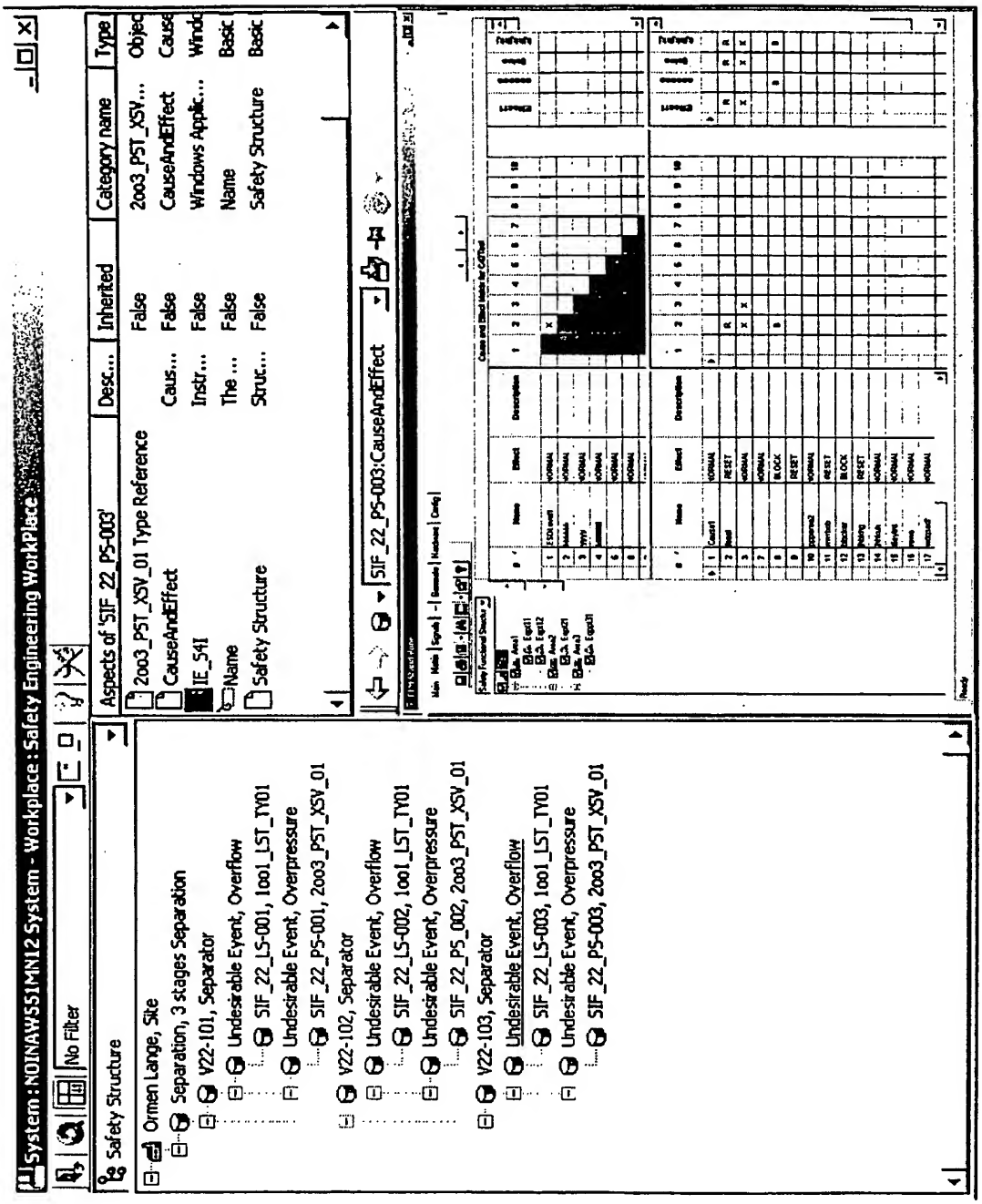

System : NOINAW551MN12 System - Workplace : Safety Engineering Workplace
No Filter
Safety Structure
Ormen Lange, Site
Separation, 3 stages Separation
V22-101, Separator
Undesirable Event, Overflow
SIF_22_LS-001, 1oo1_LST_TY01
Undesirable Event, Overpressure
SIF_22_PS-001, 2oo3_PST_XSV_01
V22-102, Separator
Undesirable Event, Overflow
SIF_22_LS-002, 1oo1_LST_TY01
Undesirable Event, Overpressure
SIF_22_PS_002, 2oo3_PST_XSV_01
V22-103, Separator
Undesirable Event, Overflow
SIF_22_LS-003, 1oo1_LST_TY01
Undesirable Event, Overpressure
SIF_22_PS-003, 2oo3_PST_XSV_01
Aspects of 'SIF_22_PS-003'
Desc...
Inherited
Category name
Type
2oo3_PST_XSV_01 Type Reference
False
2oo3_PST_XSV...
Objec
CauseAndEffect
Caus...
False
CauseAndEffect
Cause
IE_S41
Instr...
False
Windows Applic...
Windo
Name
The ...
False
Name
Basic
Safety Structure
Struc...
False
Safety Structure
Basic
SIF_22_PS-003:CauseAndEffect

Fig. 2

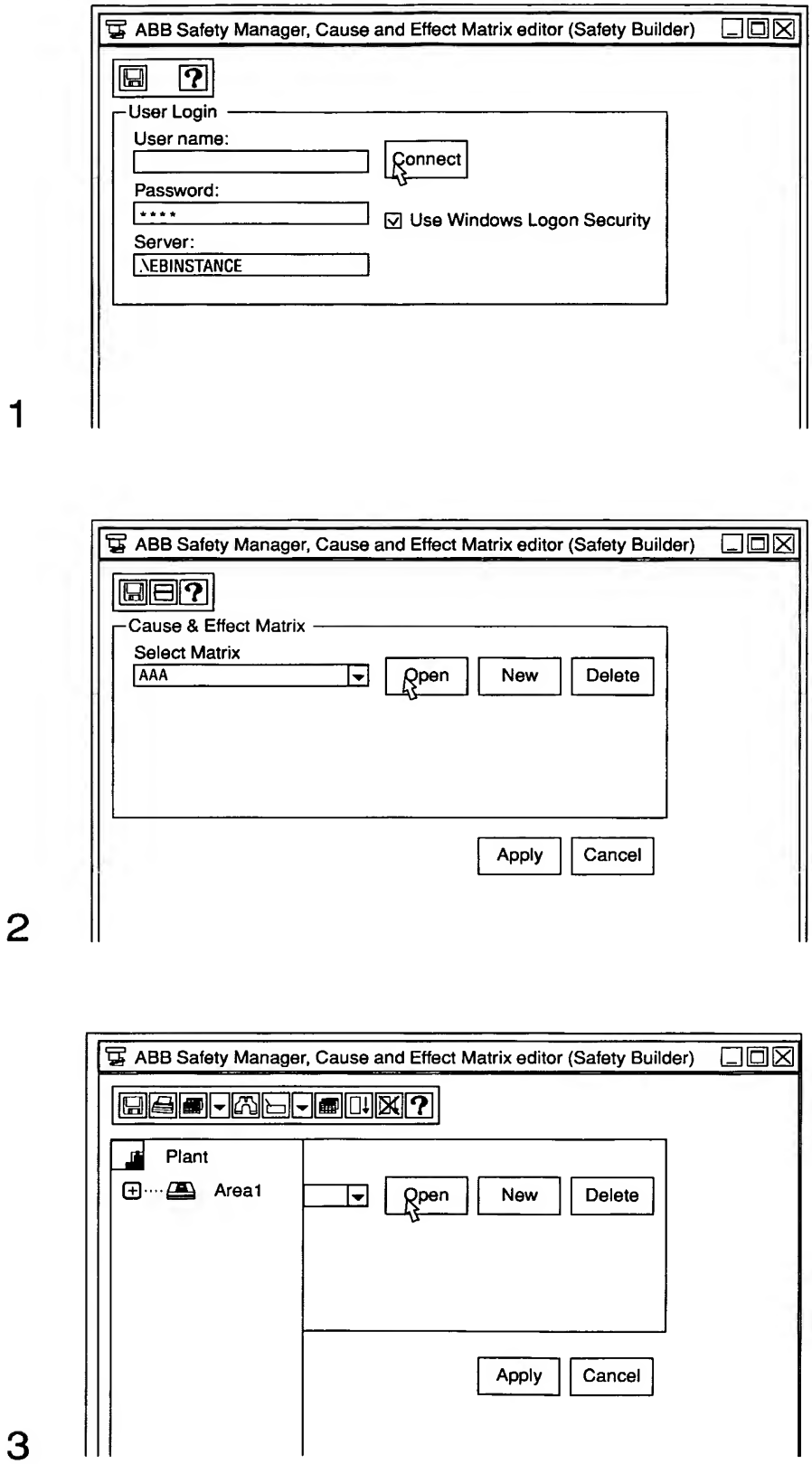
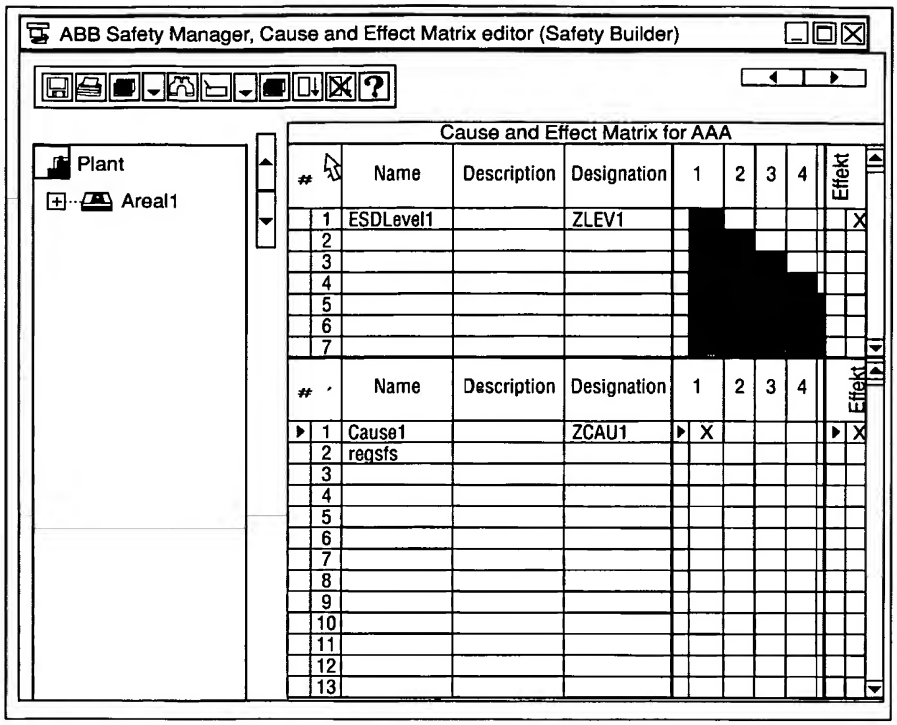


ABB Safety Manager, Cause and Effect Matrix editor (Safety Builder)
User Login
User name:
Connect
Password:
****
Use Windows Logon Security
Server:
.\EBINSTANCE
1
ABB Safety Manager, Cause and Effect Matrix editor (Safety Builder)
Cause & Effect Matrix
Select Matrix
AAA
Open
New
Delete
Apply
Cancel
2
ABB Safety Manager, Cause and Effect Matrix editor (Safety Builder)
Plant
Area1
Open
New
Delete
Apply
Cancel
3

Fig. 3



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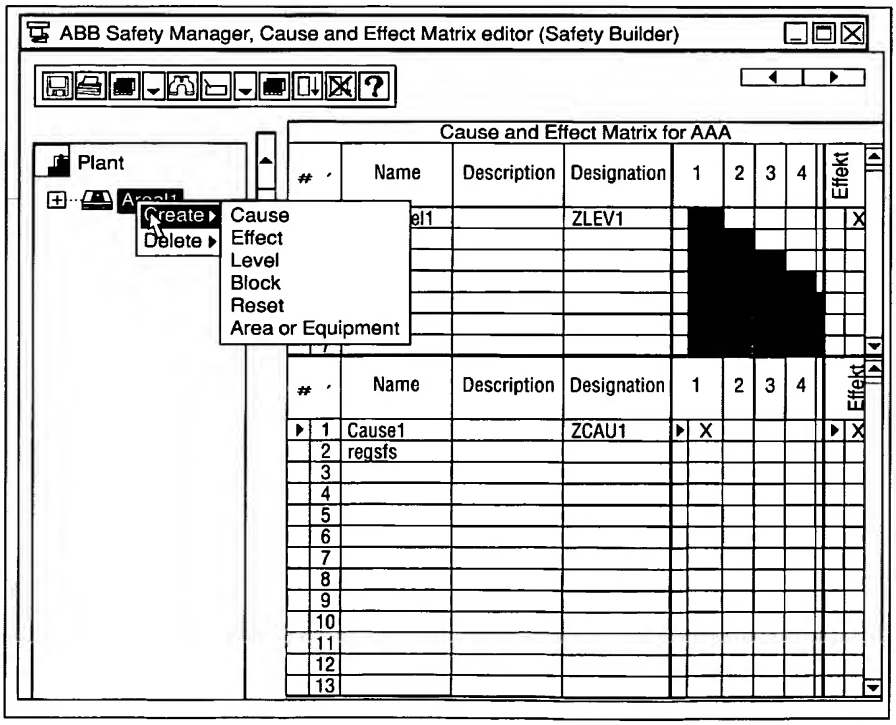
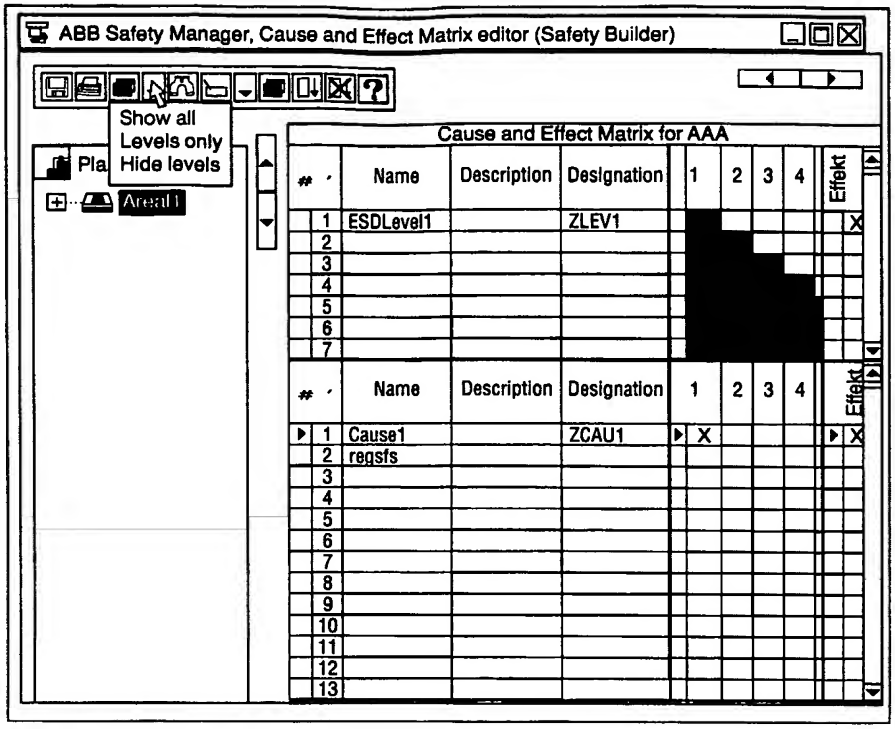


5a

Fig. 3 cont.

5b



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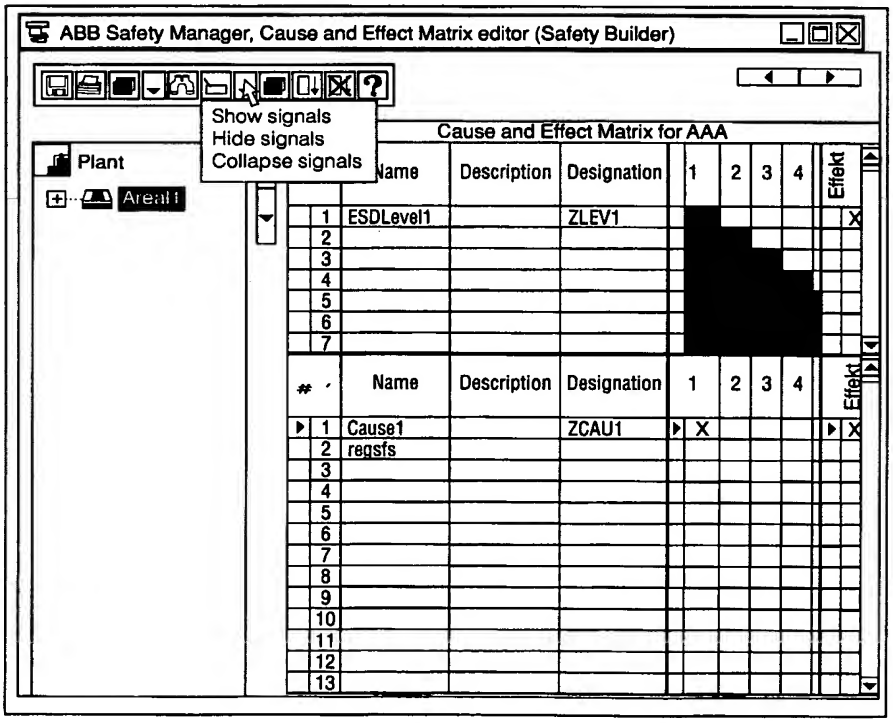

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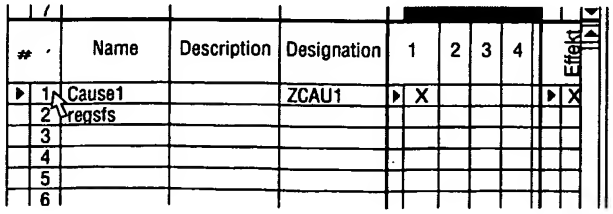

Fig. 3. cont.

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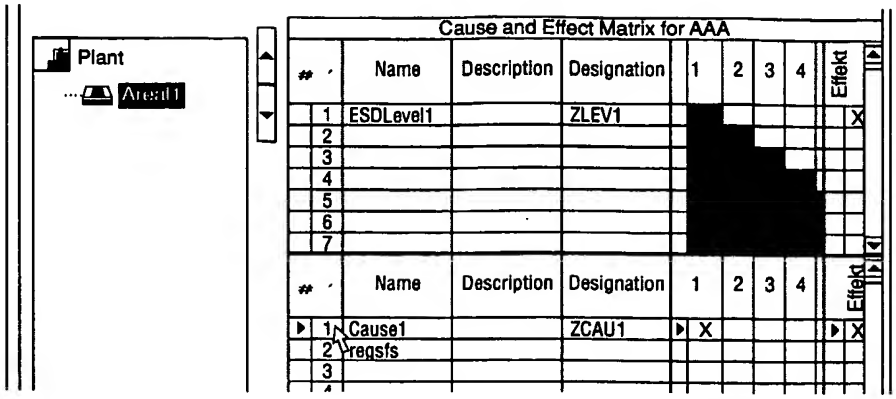

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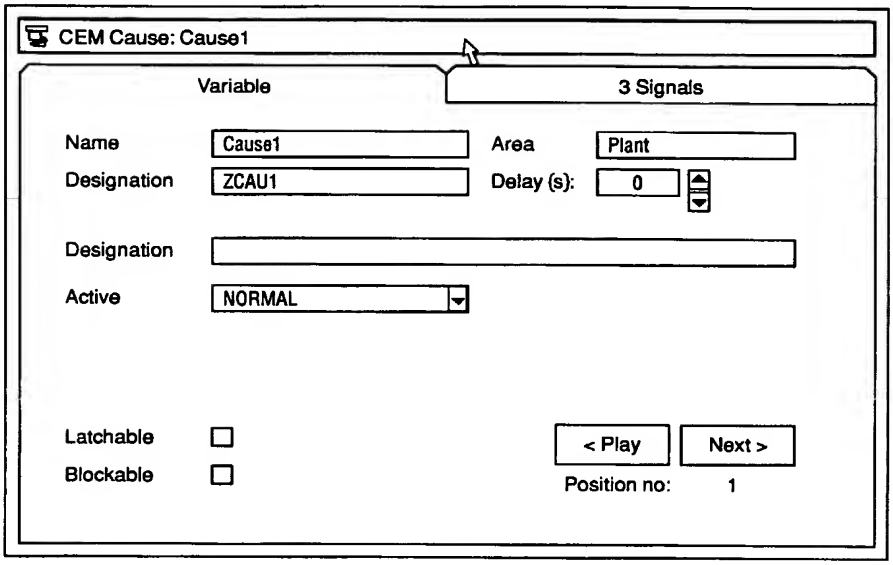

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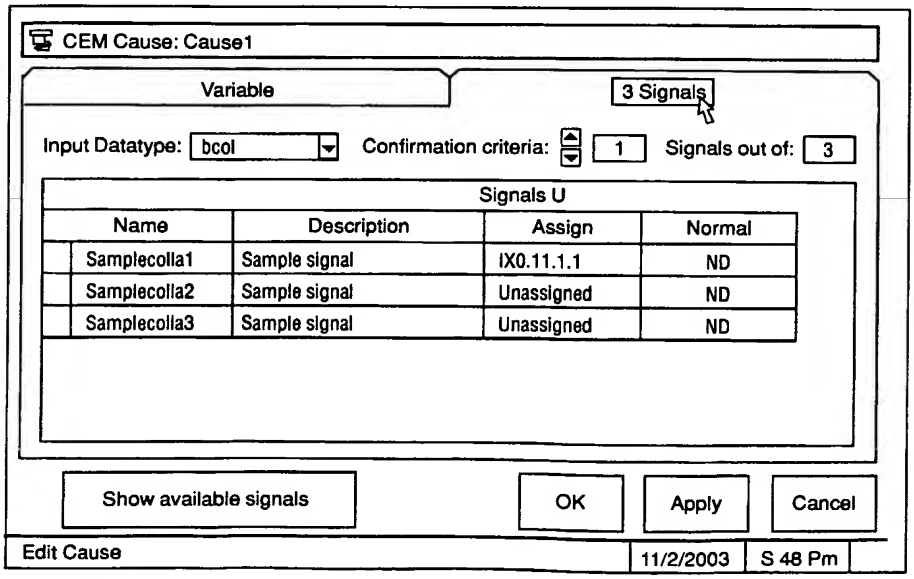

Fig. 3. cont.

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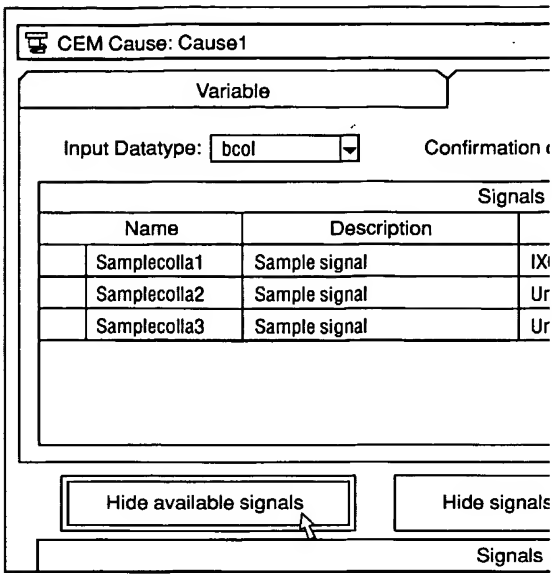

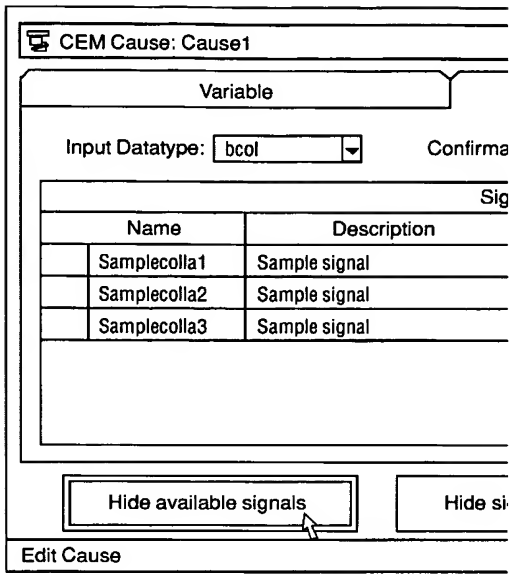

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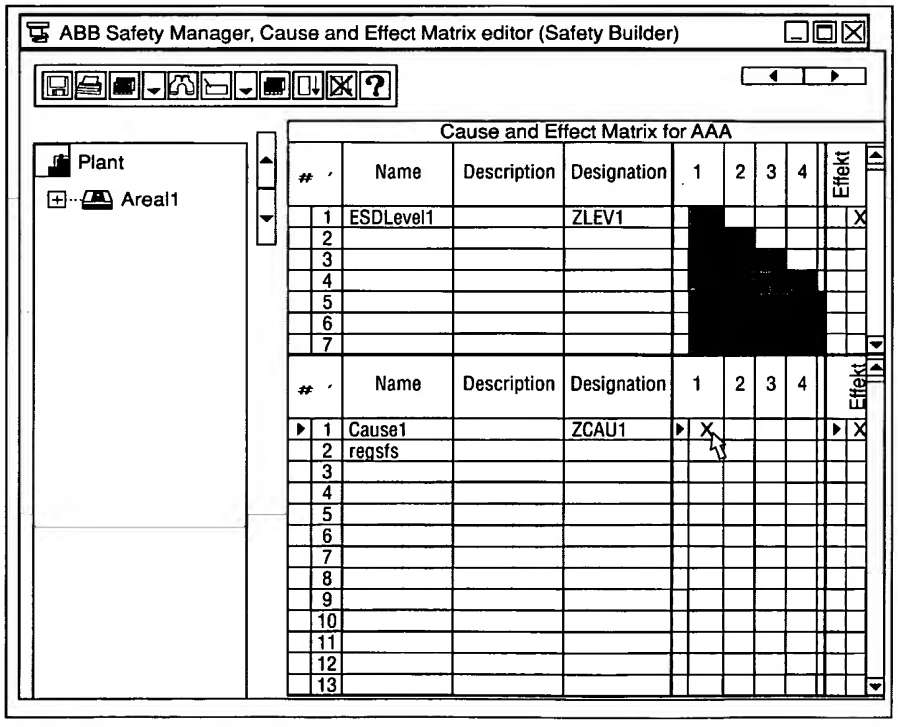
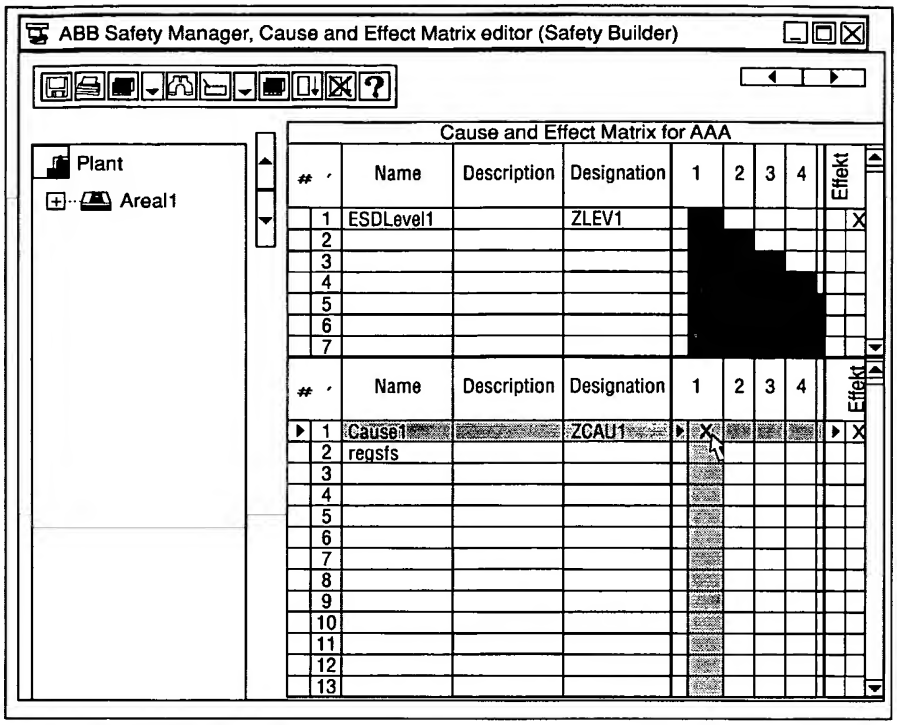


Fig. 3 cont.



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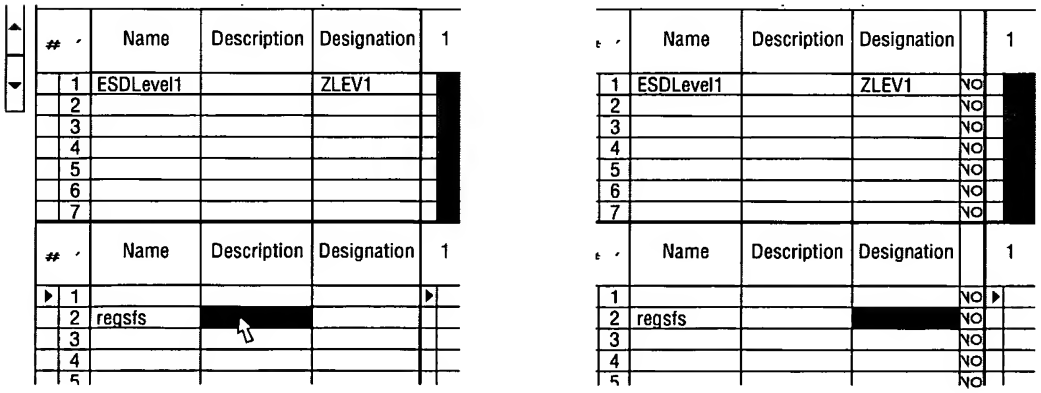

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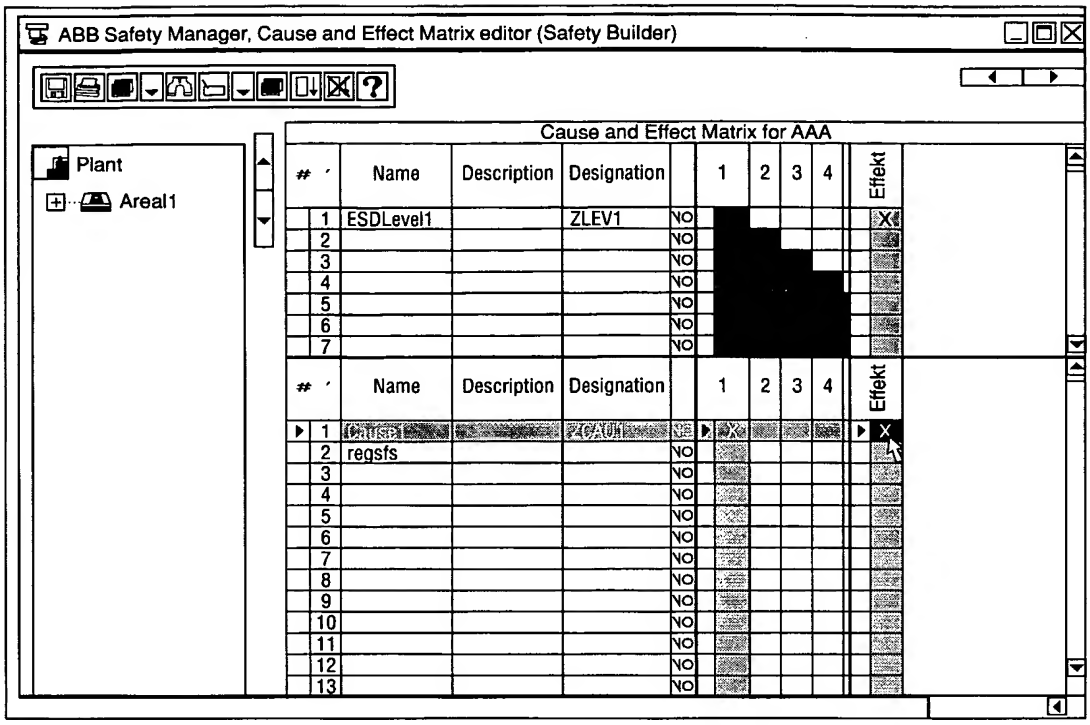

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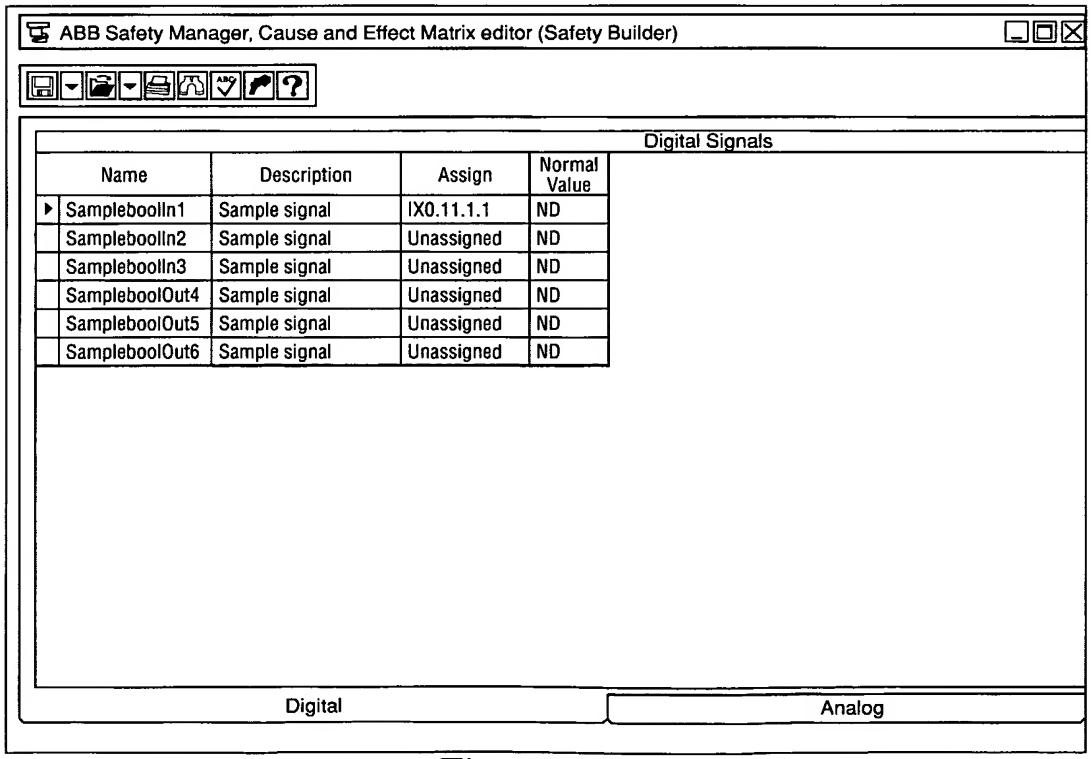

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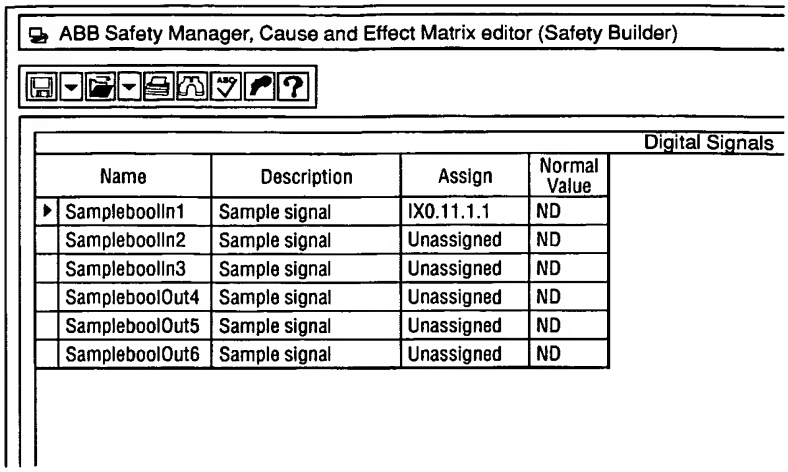

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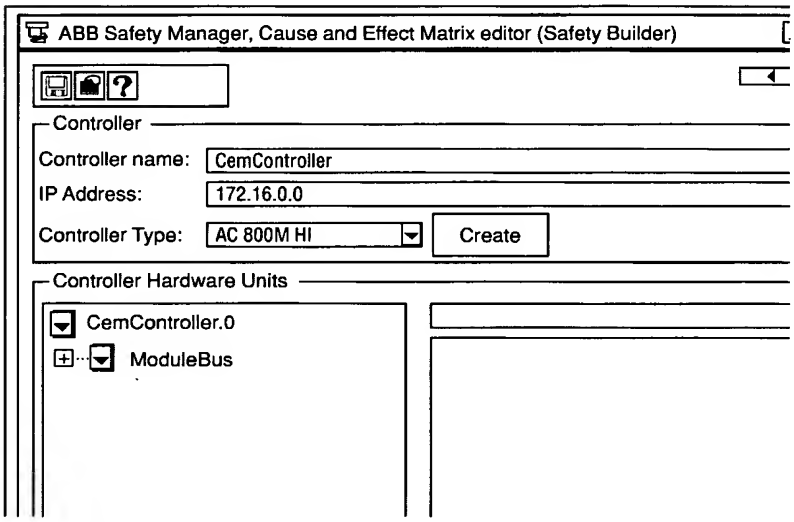

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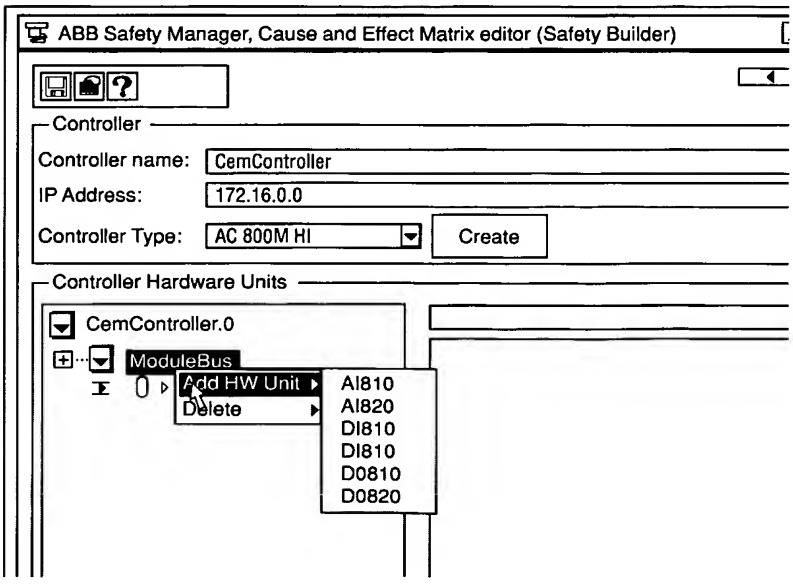

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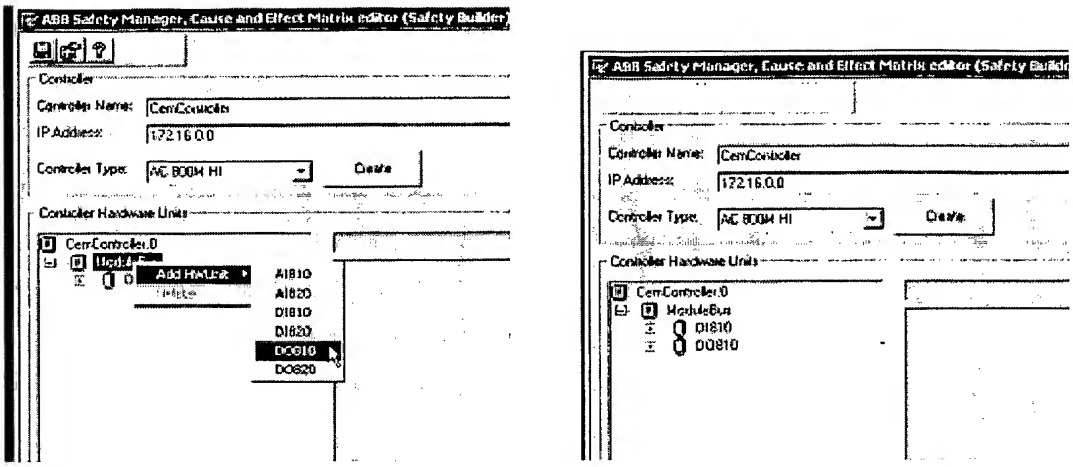
Fig. 3 cont.



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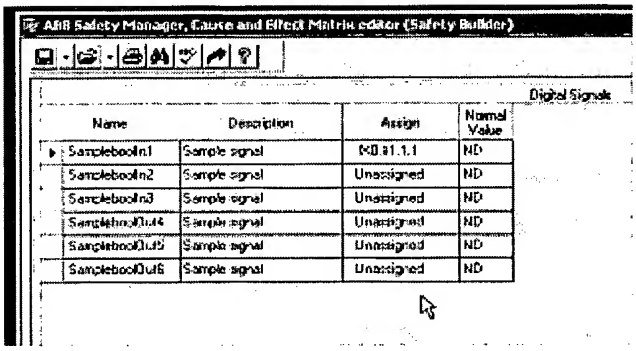

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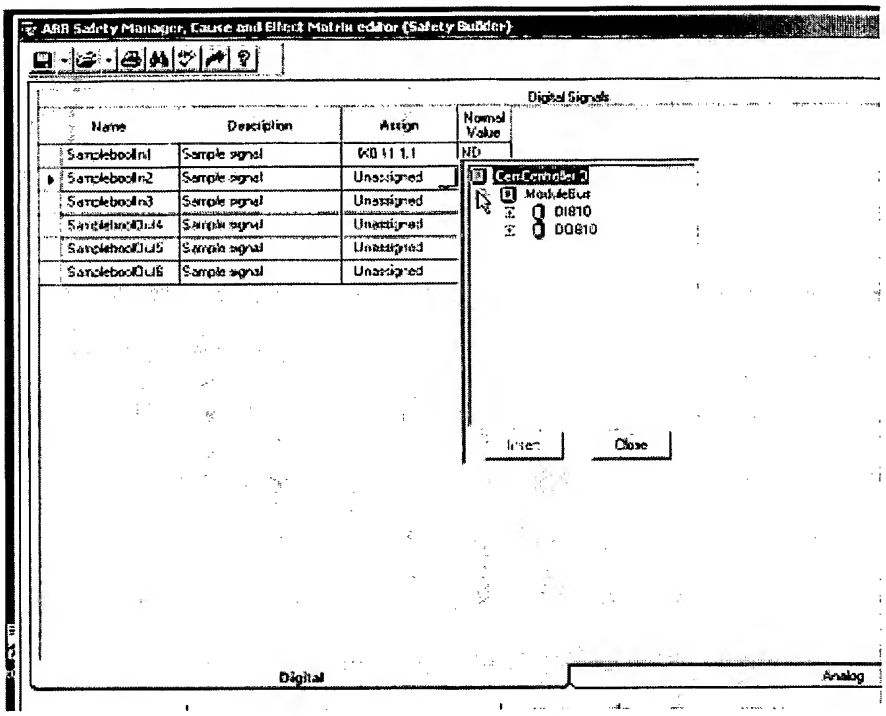

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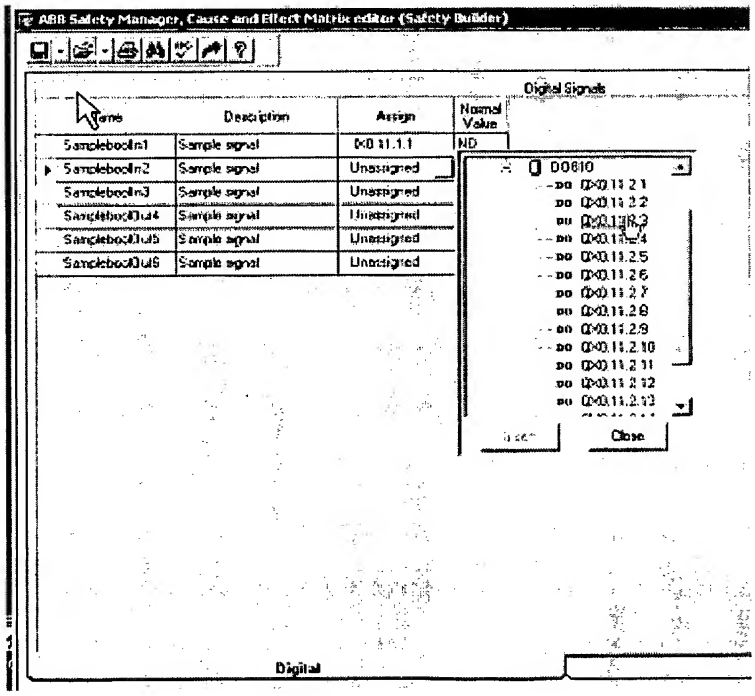

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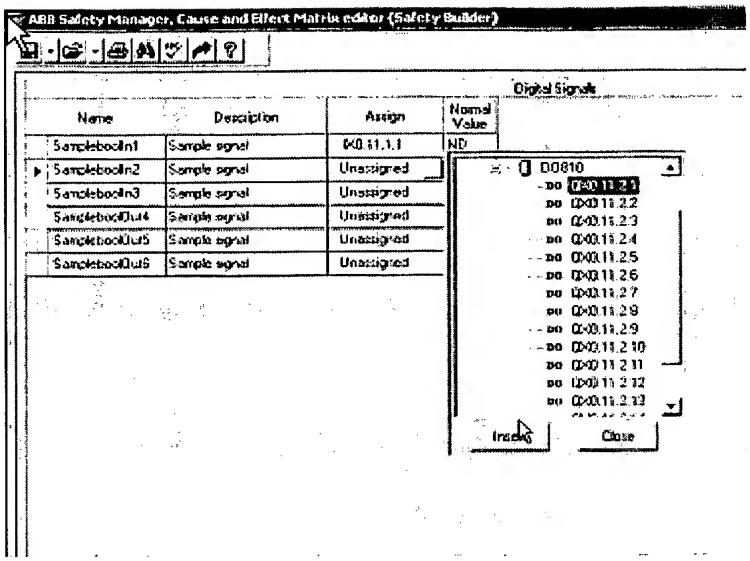

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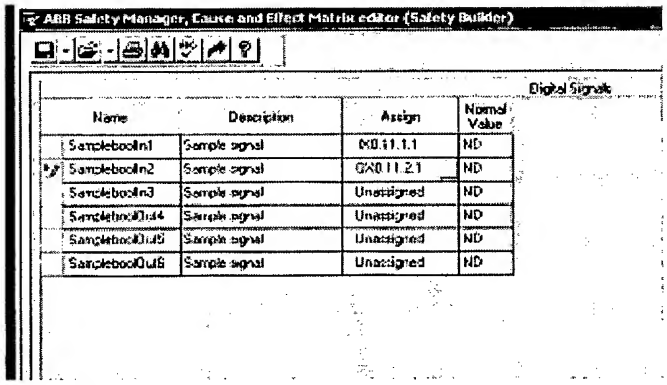

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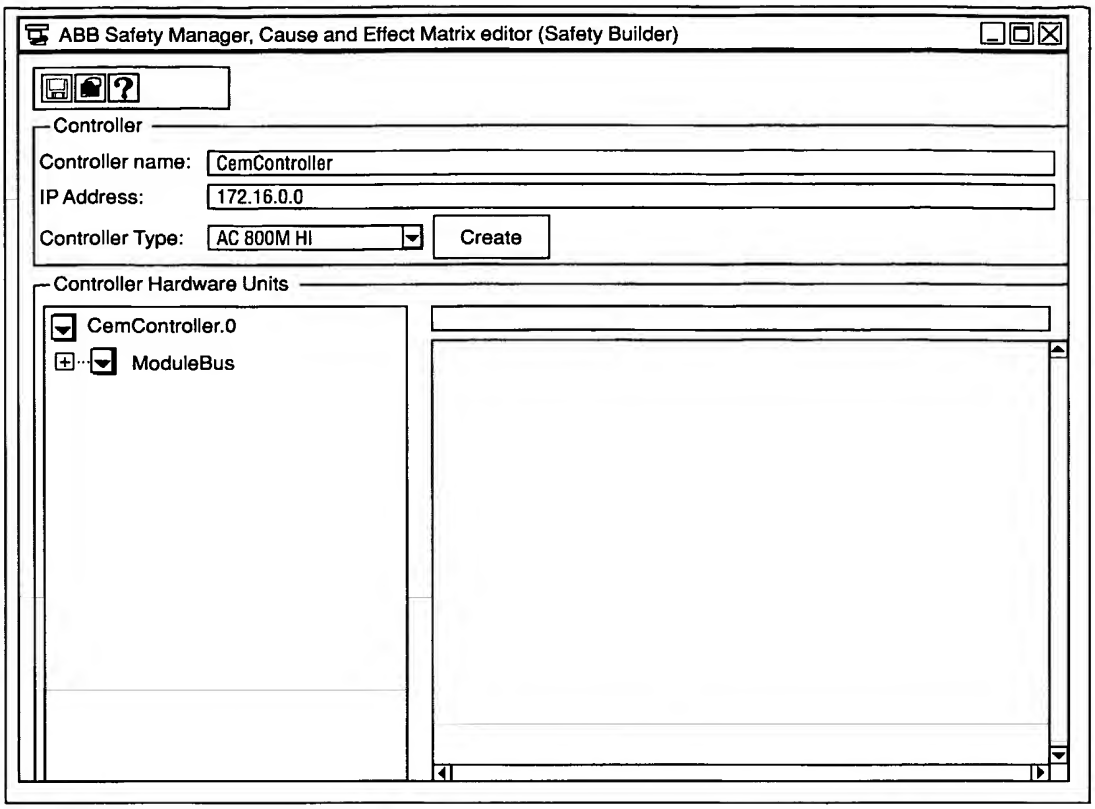
Fig. 3 cont.



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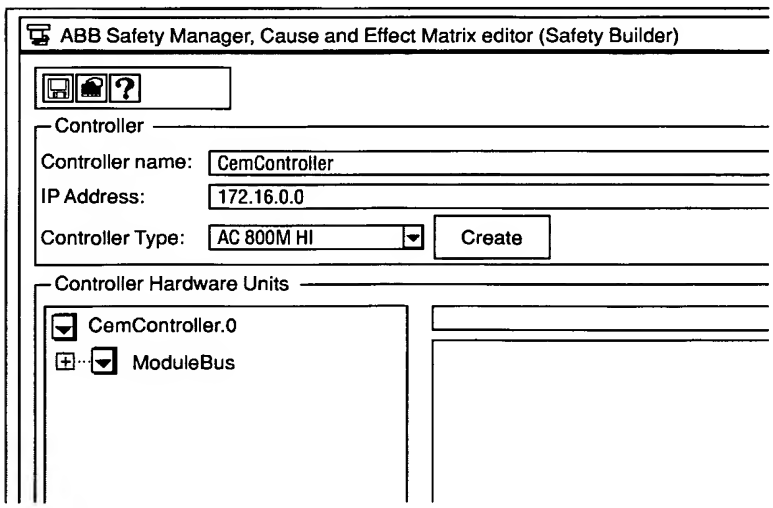

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Fig. 3 cont.

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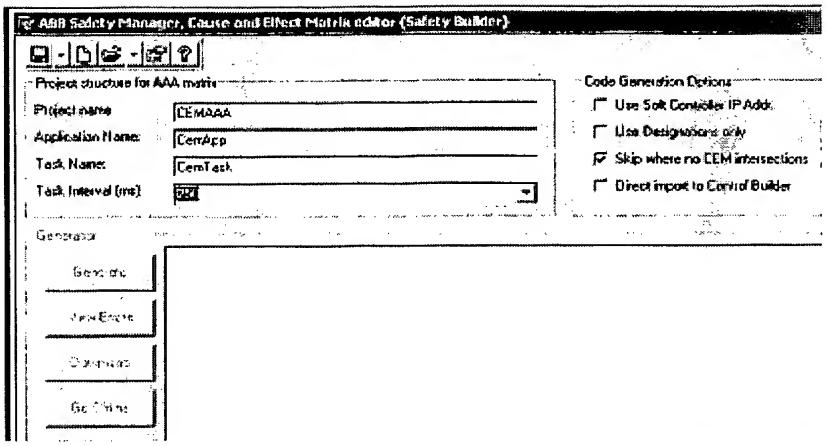

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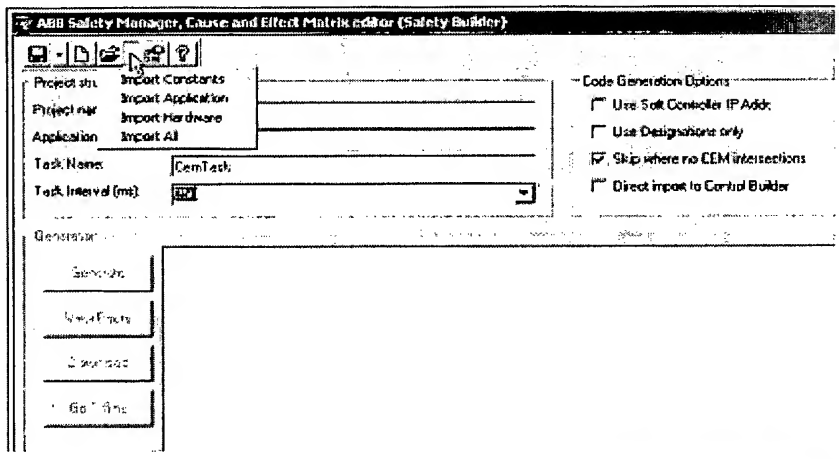

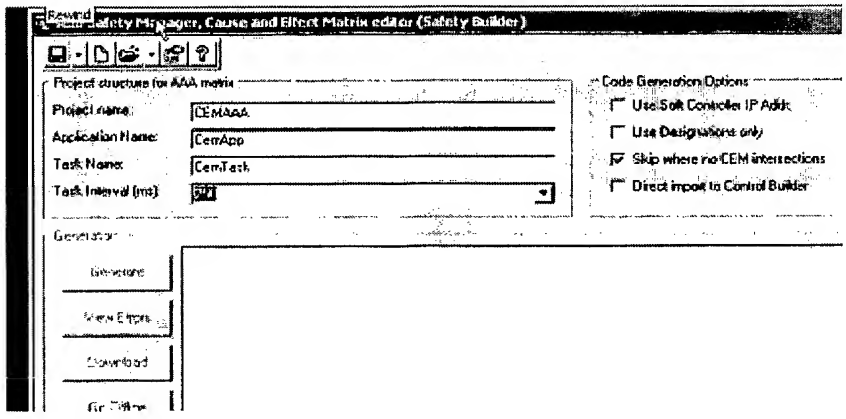

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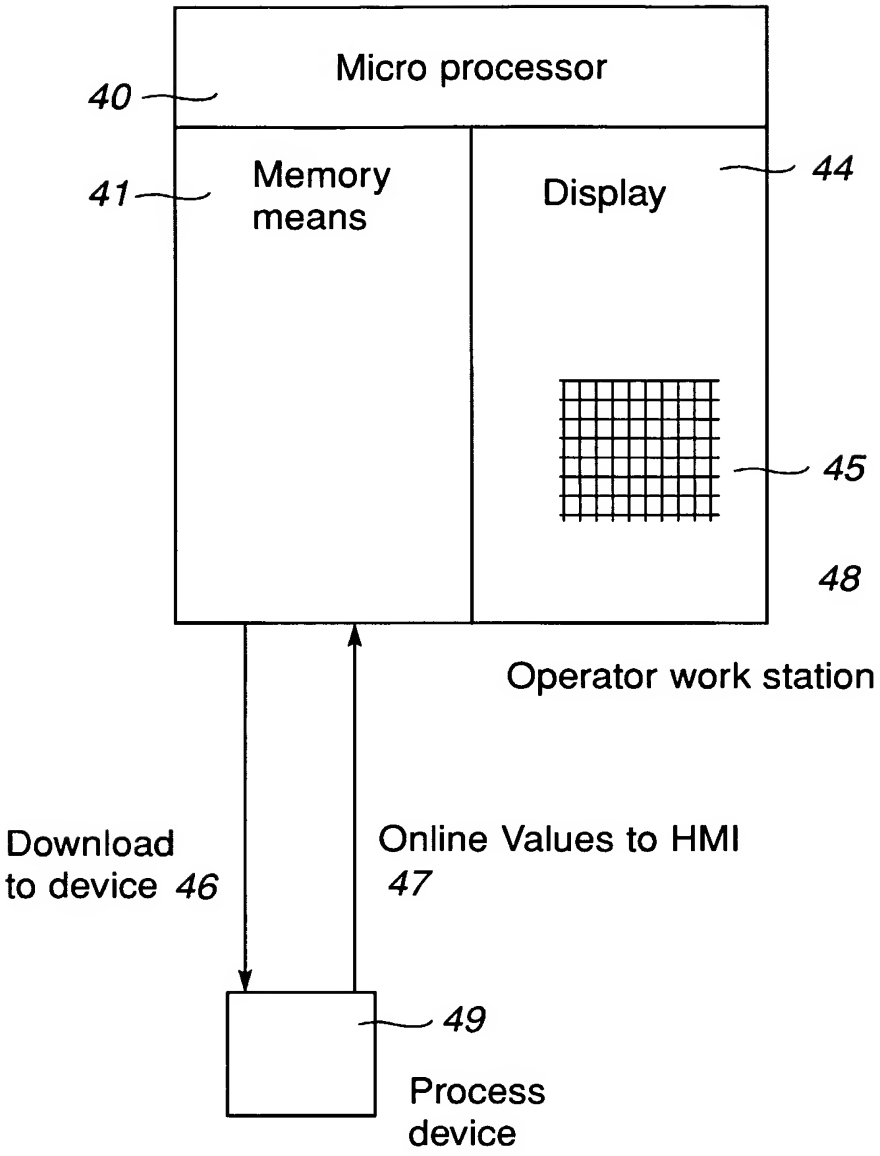
Micro processor
40
Memory means
41
Display
44
45
48
Operator work station
Download to device 46
Online Values to HMI 47
49
Process device

Fig. 4

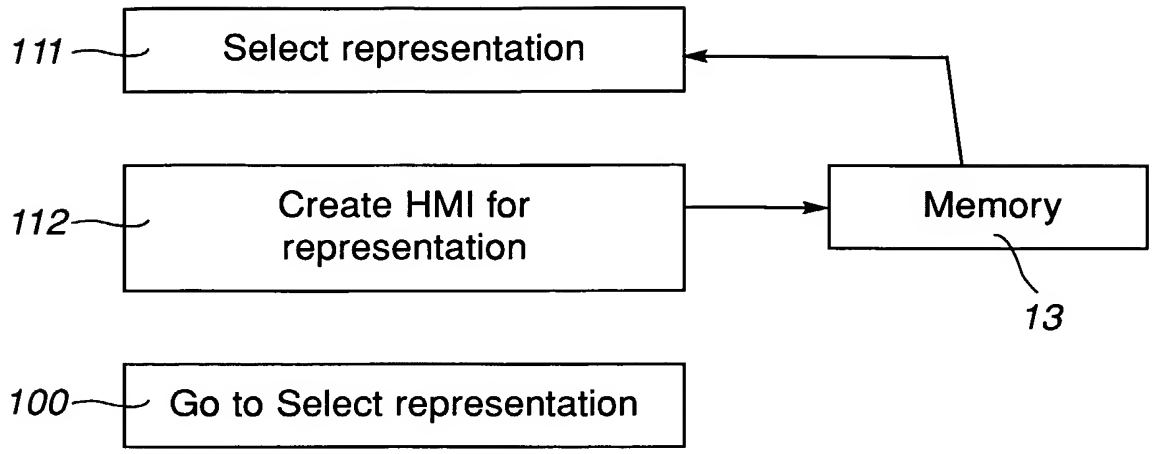
111
Select representation
112
Create HMI for representation
Memory
13
100
Go to Select representation

Fig. 5a

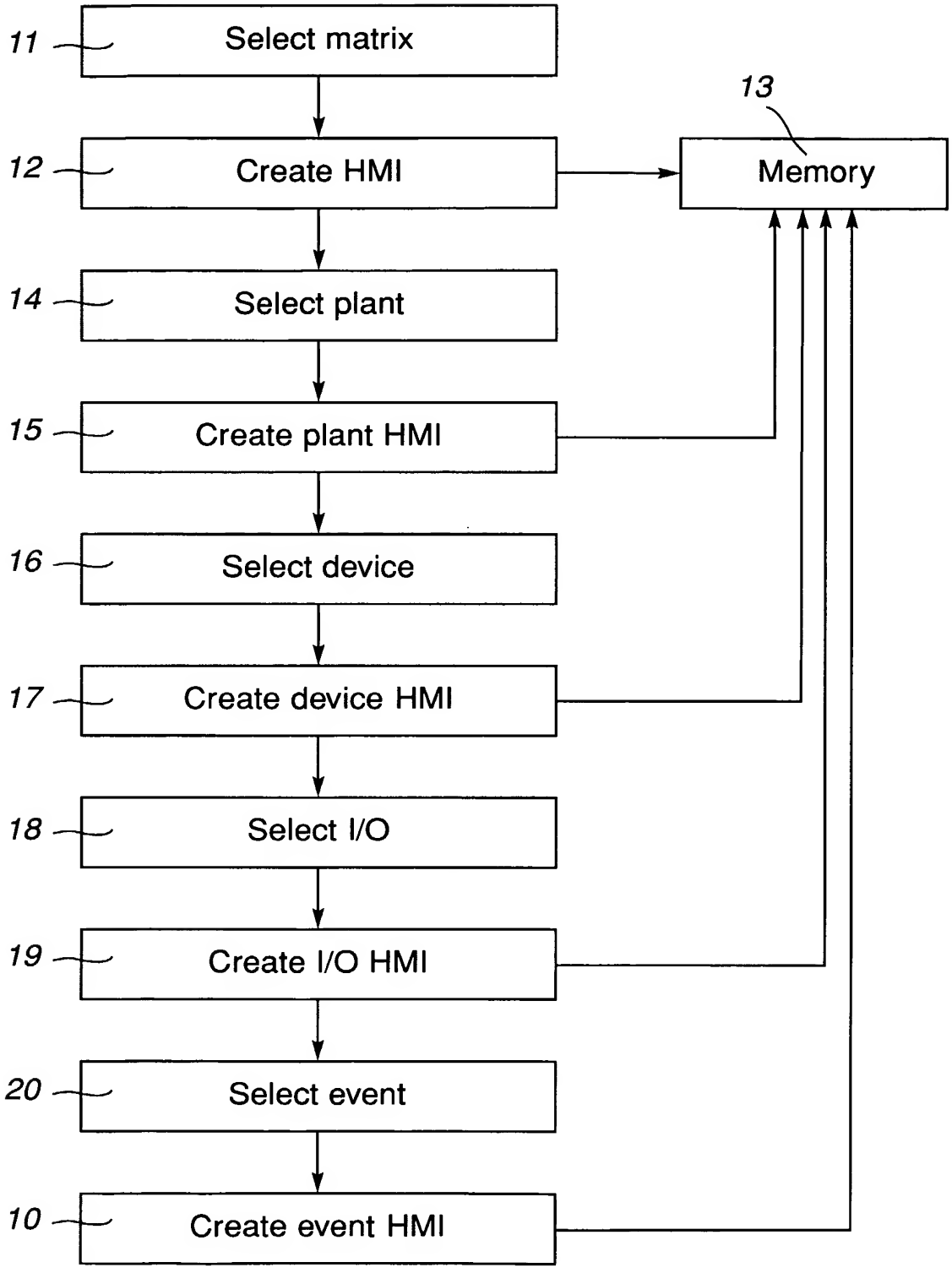
11
Select matrix
13
12
Create HMI
Memory
14
Select plant
15
Create plant HMI
16
Select device
17
Create device HMI
18
Select I/O
19
Create I/O HMI
20
Select event
10
Create event HMI

Fig. 5b

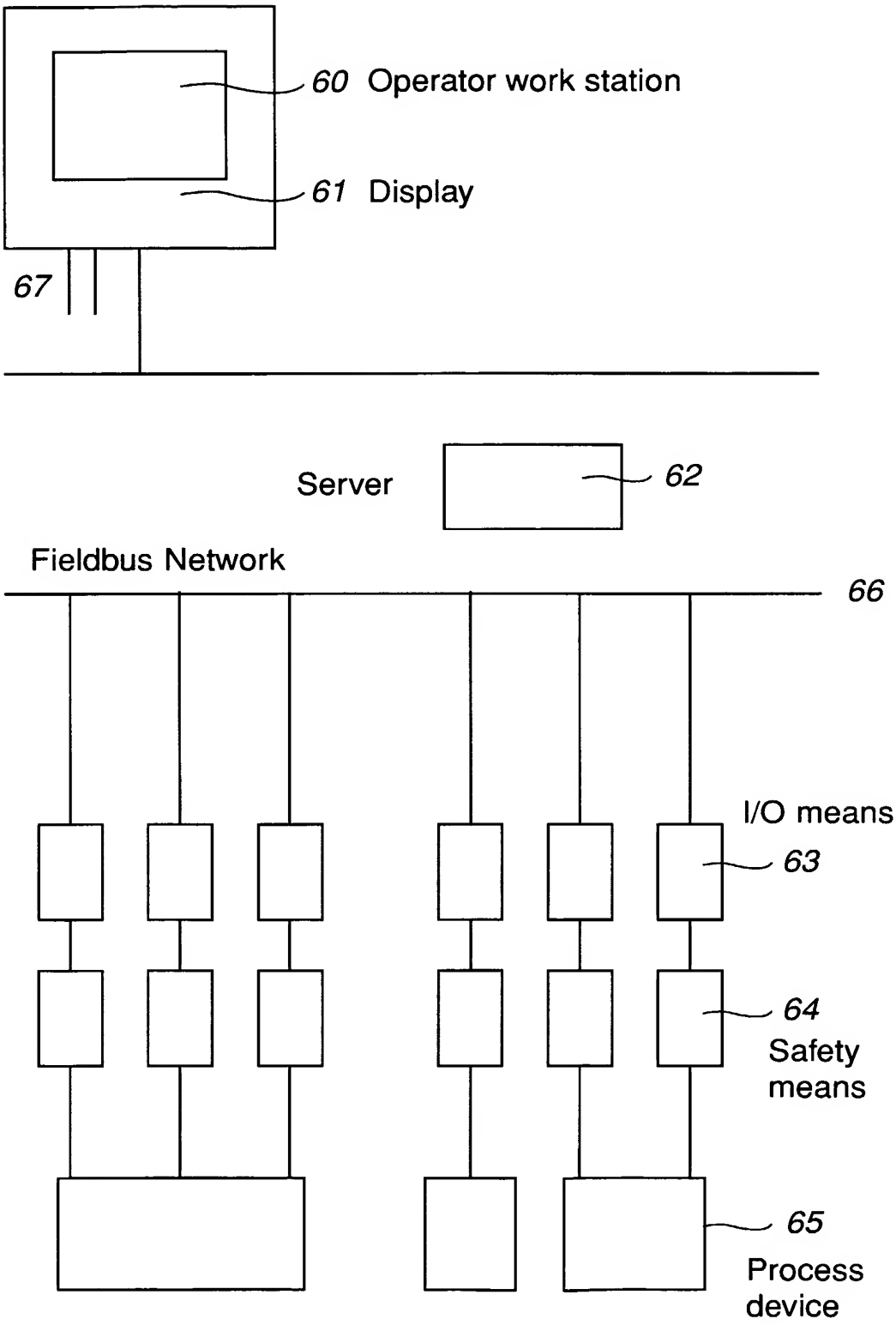
60 Operator work station
61 Display
67
Server
62
Fieldbus Network
66
I/O means
63
64
Safety means
65
Process device

Fig. 6